

AbstractDevice for extruding plastic compounds

The device (10) has at least one feed instrument (12) for feeding a compound through a channel (24a; 24b; 24c) to a die (14). In order to prevent damage or destruction of the extruded compound during processing and to detect "overageing" of the compound, a sensing instrument (60a; 60b; 60c) is provided at the channel (24a; 24b; 24c) or at the die (14) in order to determine at least one measured variable ( $P_a$ ;  $P_b$ ;  $P_c$ ) related to the viscosity of the compound. The feed instrument (12) and the die (14) are configured in such a way that the feed instrument (12) has a delivery pressure which oscillates over time at a frequency, and the die (14) has a flow resistance which oscillates at the same frequency.

Fig. 1